CLAIMS:

1-62   (Cancelled)

63.   (Currently amended) A system comprising:

a management center;

a plurality of nodes configured to relay data from the management center to a

client; and

wherein the management center comprises a mapping engine that is configured to

map trace routes between the management center, at least of the one nodes, and the client

so as to determine a route from the management center to the client via a selected one of

the nodes; and

wherein the management center is configured to downgrade lower priority clients

from a higher quality of service network link to a less optimal network link when a higher

priority client requests use of the higher quality of service network link.

64.   (Currently amended) A method comprising:

receiving a request for data from a client, the request being received by a

management center;

directing the client to a node that is selected as being best situated to relay the data

from a content provider to the client by using a mapping engine to map trace routes between

the management center, the node, and the client, the client being directed to the node by the

management center; and

relaying the data from the content provider to the client via the selected node; and

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downgrading lower priority clients from a higher quality of service network link to a less optimal network link when a higher priority client requests use of the higher quality of service network link.

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